

# Site Assessment

All information provided will remain confidential and only composite summary information will be made public.

If you have any questions or need assistance, please contact Marty Petrovic at 607-255-1796 or Jim Baird at 610-515-1660.

## 1. General Information

This section provides general property information and puts the property in its regional and local context.

Course Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Contact Name/Relation to Course \_\_\_\_\_

Mailing Address \_\_\_\_\_  
(If different) Street Address/PO Box City State Zip Code

Telephone \_\_\_\_\_ E-mail Address \_\_\_\_\_

FAX Number \_\_\_\_\_ Web Address \_\_\_\_\_

Superintendent \_\_\_\_\_ General Manager \_\_\_\_\_

Superintendent \_\_\_\_\_

Mobile Number \_\_\_\_\_

Management Company (If applicable) \_\_\_\_\_

### Type of Course

- ☐ Private ☐ Municipal ☐ Other:  
☐ Semi-Private ☐ Resort  
☐ Daily Fee ☐ Golf/Residential Community

### Golf Play

Number of Holes \_\_\_\_\_ Length of Golf Season \_\_\_\_\_

Number of Members \_\_\_\_\_ Starting Month \_\_\_\_\_

Number of Rounds/Year \_\_\_\_\_ Ending Month \_\_\_\_\_

Number of Golf \_\_\_\_\_ ☐ Open for play year round

Maintenance Staff \_\_\_\_\_

### History

What year was the course built? \_\_\_\_\_

Former land use: \_\_\_\_\_ Number of years under former land use: \_\_\_\_\_

Year(s) of major renovation: \_\_\_\_\_ Describe what was done: \_\_\_\_\_

Approximate Elevation: High \_\_\_\_\_ Low \_\_\_\_\_

### Setting

☐ Urban ☐ Suburban ☐ Rural

## 2. Management Context

What unique features or constraints of your site have to be accounted for when managing in-play and out-of-play areas on your golf course? (Check all that apply and describe below.)

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Tight Layout             | <input type="checkbox"/> Demanding Neighbors                            | <input type="checkbox"/> Endangered/Threatened Species  |
| <input type="checkbox"/> Major Tournaments        | <input type="checkbox"/> High Expectations Regarding Aesthetics         | <input type="checkbox"/> Endangered/Threatened Habitats |
| <input type="checkbox"/> Low Budget               | <input type="checkbox"/> High Expectations Regarding Playing Conditions | <input type="checkbox"/> Wetlands                       |
| <input type="checkbox"/> Limited Staff            |   | <input type="checkbox"/> Historic Sites                 |
| <input type="checkbox"/> Other (Please describe): |   |   |

## 3. Irrigation

What percentage of your irrigation comes from the following sources?

Well _____%	Irrigation Pond _____%	Other: _____%
Spring _____%	Effluent _____%	
River _____%	City/Potable Water _____%	

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Do you currently have irrigation water quality monitored? Yes \_\_\_\_ No \_\_\_\_

*If yes, please provide copies of results for the last three years.*

Please describe your irrigation system, including the following information:

- Manufacturer and model (e.g., Rain Bird Maxi 5)
- Type of system (e.g., manual, automatic, computer)
- Type of head control (e.g., individual, satellite, 1/2 circle)
- Age of system
- Part circles in outlying areas (e.g., around ponds, perimeters)?

How many acres receive irrigation? \_\_\_\_\_

Amount (gallons) applied in 2001 \_\_\_\_\_ 2002 \_\_\_\_\_ 2003 \_\_\_\_\_

Is a weather station located on site? \_\_\_\_\_

Is irrigation based upon evapotranspiration (ET) rates? \_\_\_\_\_

Do you have (yes \_\_\_\_ no \_\_\_\_) and use (yes \_\_\_\_ no \_\_\_\_) a fertigation system?

Do you have the capacity to add a fertigation system to your current irrigation system? \_\_\_\_\_

## 4. Environmental Context

This section requests information about the larger landscape and watershed in which your course is located.

Describe how wastewater is handled on the property.

What is the nearest water body into which water from your course drains? (Name or brief description of any streams, rivers, lakes, ponds, wetlands, estuary, ocean)

### Surrounding Land Use

North:

South:

East:

West:

## 5. Landscape Information

This section requests information regarding the turf, landscape, and water features on your course. In addition, we'd like to know about some of your management practices to maintain these areas. This information will provide good "baseline" information that can be used as a measure of comparison between current and future landscape features.

Please refer to the following definitions when filling out the acreage information on the following pages:

### Gardens

<b>Aesthetic Garden</b>	<i>Garden maintained with beauty as a primary goal</i>
<b>Wildlife Garden</b>	<i>Garden maintained with providing a food source for wildlife as a primary goal</i>
<b>Xeric Garden</b>	<i>Garden maintained with zero irrigation as the primary goal</i>
<b>Demonstration Garden</b>	<i>Garden maintained with education as the primary goal</i>

## Natural Plant Communities

<b>Deciduous or Mixed Forest With Understory</b>	<i>Forest dominated by trees which annually lose their leaves, such as maple and oak, or a mix of deciduous and coniferous trees, with shrubs, young trees, or herbaceous plants under the canopy</i>
<b>Deciduous or Mixed Forest Without Understory</b>	<i>See above, but with no shrubs, young trees, or herbaceous plants under the canopy</i>
<b>Coniferous Forest With Understory</b>	<i>Forest dominated by evergreen tree species, such as pine, spruce, cedar, cypress, and hemlock with shrubs, young trees, and herbaceous plants under the canopy</i>
<b>Coniferous Forest Without Understory</b>	<i>See above, but with no shrubs, young trees, and herbaceous plants under the canopy</i>
<b>Shrubland /Scrubland</b>	<i>Areas dominated by dense to open stands of shrubs with few to no trees present</i>
<b>Woodland</b>	<i>Commonly known as savannas and barrens – grasses or herbaceous plant dominate with sparse individual trees or groves</i>
<b>Grassland/Prairie/Meadow</b>	<i>Open communities dominated by grasses or perennial herbaceous plants</i>
<b>Freshwater Wetland</b>	<i>Communities with water near or above the soil surface for a part of the year dominated by submersed and emergent aquatic plants, shrubs, or trees</i>
<b>Saltwater Wetland</b>	<i>Low-lying meadows frequently inundated by tidewater or saturated by floodwater draining from the uplands</i>

### Estimating Acres

1 acre = 43,560 sq. ft. = 4,047 m<sup>2</sup>  
 1/2 acre = 21,780 sq. ft. = 2,023m<sup>2</sup>  
 1/4 acre = 10,890 sq. ft. = 1,012 m<sup>2</sup>  
 1/8 acre = 5,445 sq. ft. = 506 m<sup>2</sup>

or visit : [www.sciencemadesimple.com/conversions.html](http://www.sciencemadesimple.com/conversions.html)

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Turf Surfaces	Turf Type(s) variety/cultivar	Mowing Heights low high	Acres	Growth Regulators Used	Clippings* Returned?
Greens					
Tees					
Fairways					
Roughs					
Other: (e.g. lawn, practice range)					
*If no, then specify location where clippings are discarded			<b>Total Acres</b>		

Gardens	Number	Total Size (-#²)
Aesthetic Garden		
Wildlife Garden		
Xeric Garden		
Demonstration Garden		
Total Estimated Acres		

Natural Plant Communities	Total Acres
Deciduous or Mixed Forest With Understory	
Deciduous or Mixed Forest Without Understory	
Coniferous Forest With Understory	
Coniferous Forest Without Understory	
Shrubland/Scrubland	
Woodland	
Grassland/Prairie/Meadow	
Freshwater Wetland	
Saltwater Wetland	
Other (please describe):	
Total Acres	

Ponds and Lakes	Number	% Turfgrass Shoreline	% Natural Shoreline	% Shallow Water Areas (< 2' deep)	% with Aquatic Plants	Total Acres
< ½ acre						
½ - 1 acre						
1 – 5 acres						
5 – 10 acres						
> 10 acres						
Seasonal Ponds						
Total Acres						

Other	Total Acres
Buildings, roads, parking lots, tennis courts, swimming pool, etc.	

Total Property Acres

## 6. Soil

Describe the soil for each area (e.g., sandy loam, USGA green, etc.)

Greens \_\_\_\_\_

Tees \_\_\_\_\_

Fairways \_\_\_\_\_

Rough \_\_\_\_\_

Other \_\_\_\_\_

Do you soil test? \_\_\_\_\_

If so, how often? \_\_\_\_\_

*(Please enclose a copy of your most recent report).*

Do you tissue test? \_\_\_\_\_

If so, how often? \_\_\_\_\_

*(Please enclose a copy of your most recent report).*

## 7. Clippings Management

Describe how grass clippings and other plant materials are handled on the property. Also, please list the volume of these materials that your course handles in an average year.

## 8. Ground and/or Surface Water Quality Monitoring

Do you currently have ground water quality monitored? Yes \_\_\_\_ No \_\_\_\_

*If yes, please provide copies of results for the last three years.*

Do you currently have surface quality monitored? Yes \_\_\_\_ No \_\_\_\_

*If yes, please provide copies of results for the last three years.*

Would you be willing to have a ground water monitoring well or lysimeter installed at your golf course?

## 9. Property Map

Please send us a map of the golf course that clearly shows various landscape features. Though there is no particular size requirement for your map, we recommend keeping it to 8-1/2 x 14 inches – or, if your course is quite large, make one 8-1/2 x 14 inch map per each nine holes of golf. You can do this by photocopying and reducing an existing course map, such as an irrigation map. If you have a scorecard that depicts an accurate layout, you may be able to photocopy and enlarge it to use as your reference map. Many superintendents have found it useful to prepare their map when developing their environmental plan. The map will prove a useful management tool to guide your efforts.

***Label the map of the golf course with the following features:***

1. Overall layout of the course, with golf holes labeled;
2. All natural plant communities. Be sure to mark woods, meadows, gardens, wetlands, and other natural features clearly;
3. Water bodies, such as ponds, lakes, wetlands, and streams. Label shorelines where you maintain naturalized vegetation;
4. “No spray” and “Low-intensity management” zones that you have designated to protect sensitive habitats or water bodies.

Please return this form and other requested materials to:

Dr. Marty Petrovic  
Department of Horticulture  
134A Plant Science Building  
Cornell University